



## PATENT ABSTRACTS OF JAPAN

(11) Publication number: 03143239 A

(43) Date of publication of application: 18.06.1991

(51) Int. Cl. H02K 3/52

(21) Application number: 01277088

(22) Date of filing: 26.10.1989

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## (54) SALIENT-POLE DYNAMO-ELECTRIC MACHINE

## (57) Abstract:

**PURPOSE:** To fix a rotor winding firmly regardless of the dispersion in finishing of the rotor winding by providing a groove in axial direction at the surface of a yoke, and locking the outer side of a rotor winding with a coil bracket fixed with a bolt, and at the same time pressing the bottom of the rotor winding with an S-shaped plate spring also fixed with said bolt.

**CONSTITUTION:** A reverse-trapezoid groove 3c is provided over the whole width of magnetic poles in the axial direction, at the surface of a yoke caught with the magnetic poles. Two pieces of S-shaped plate springs are provided each at the bottom of the groove 3c, and a nearly trapezoid pressing plate 4 of aluminum material is arranged at the top. The plate spring 7 is compressed with the bottom of the insulating plate of a magnetic field coil 1 and is fixed with a bolt 9 for fastening of a bracket 5, which is inserted from outside in the

hole piercing from left to right and from top to bottom of the pressing plate 4 and the plate spring 7. Hereby, regardless of the dispersion in finishing of the magnetic field coil 1, without using an adding/subtracting plate, etc., right and left electromagnetic coil 1 can be retained almost uniformly and firmly.

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